

Title (en)

Abradable seal for a gas turbine engine, corresponding gas turbine engine and manufacturing method

Title (de)

Abschleifbare Dichtung für ein Gasturbinenkraftwerk, zugehörige Gasturbinenkraftwerk und Herstellungsverfahren

Title (fr)

Garniture d'étanchéité abradable pour moteur à turbine à gaz, moteur à turbine à gaz et procédé de fabrication associés

Publication

EP 2375002 A3 20131218 (EN)

Application

EP 11160305 A 20110329

Priority

US 74975010 A 20100330

Abstract (en)

[origin: EP2375002A2] An abradable seal (36) for a gas turbine engine includes a metal alloy and a plurality of pores in the metal alloy. The plurality of pores have a diameter of approximately 1 to 10 microns.

IPC 8 full level

F01D 11/12 (2006.01)

CPC (source: EP US)

F01D 11/122 (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US); **F05D 2300/514** (2013.01 - EP US); **F05D 2300/612** (2013.01 - EP US); **Y10T 29/4932** (2015.01 - EP US)

Citation (search report)

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- [Y] US 4759957 A 19880726 - EATON HARRY E [US], et al
- [Y] US 3897221 A 19750729 - SALYER IVAL O, et al
- [Y] US 6410159 B1 20020625 - HERMANEK FRANK J [US]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2375002 A2 20111012; EP 2375002 A3 20131218; EP 2375002 B1 20181003; US 2011243715 A1 20111006; US 9598972 B2 20170321

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